

Specifications

Ventilation Modes

Continuous gas supply	
On-demand gas supply	
Rapid oxygen supply	
Manual	

Ventilator Parameter Ranges

Oxygen concentration	30% - 100%
Nitrous oxide concentration	0% - 70%
On-demand gas	0-30L/min
Pressure trigger (PTR)	-1cmH ₂ O ~ -10cmH ₂ O
Gas supply time	1s - 6s
Peak flow	≥ 60L/min
Manual ventilation flow	0 - 30L/min
Rapid oxygen flow	25L/min - 75L/min
Pressure limit	5cmH ₂ O - 60cmH ₂ O

Monitored Parameters

Oxygen concentration	30% - 100%
Airway pressure	0 - 60cmH ₂ O
Flow	0 - 30L/min

Oscillographs Display

P-T (pressure - time)

Alarms and Protection

The AC power failure alarm	Power failure or no connection
Built-in backup battery low voltage alarm	< 11.3 ± 0.3V
High oxygen concentration alarm	31% - 100%
Low oxygen concentration alarm	30% - 99%
High airway pressure alarm	5cmH ₂ O - 60cmH ₂ O
Pressure limit	60cmH ₂ O
Emergency air input	When machine malfunction
Nitrous oxide closure function	When oxygen pressure ≤ 200kPa
Low gas source input pressure	Pressure ≤ 200kPa

Working Conditions

Gas source	O ₂ , N ₂ O
Pressure	280kPa - 600kPa
Voltage	220V ± 22V
Power frequency	50Hz ± 1Hz
Input power	60VA

Size

Wooden case packing size	L 730* W 730* H 1445mm
G.W.	90KG
N.W.	43KG



S8800A



S8800B



S8800C

The picture is for reference only. For more information, please contact Perlong Medical sales representatives.

S8800A
Nitrous Oxide Sedation System
Friendly Powerful Reliable



S8800A

Nitrous Oxide Sedation System

Application

The Nitrous Oxide Sedation System makes a good performance in gastrointestinal endoscope department, obstetrics department, dentistry department and other departments. When the patient is conscious, inhalation of proportionally mixed nitrous oxide and oxygen is universally recognized as the safest, most effective and receptive way of sedation. It is widely used anesthetics in both dental and medical applications. Perlong Medical Nitrous Oxide Sedation System offers you the choices you need in ventilation, monitoring and technique.



7" TFT LCD screen



Pressure Gauge



Shuttle button



Stainless steel material



Gas cylinders



Brake

Trust Points

- Simplicity: easy to use, easy to move with 4 casters.
- Convenient: compact interface and big screen give you better operating experience.
- Option: adapt the equipment to your patients and procedures freely.
- Friendly: flexible configurations to meet your requirement.
- Quality: international standard and advanced technology make it suitable for wide range use.
- Trust: designed and manufactured by Perlong Medical with over 23 years experience in this field .
- Worldwide: over 1,000 units are installed in the world.

Features

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Integrated breathing circuit design, ensure easy operation and keep tidy.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Multiple ventilation modes, suitable for different clinical needs.
- Electronic control mixed gas blender, high precision adjustment.
- Built-in concentration monitoring system, real-time monitoring of airway pressure.

Common Procedures Completed with Nitrous Oxide Sedation System

- VCUG/RNC
- IV Starts
- Gastrostomy
- Joint Injections
- Childbirth
- PICC Lines
- CT Scans
- Botulinum
- Incision and Drainage
- Sutures
- ISAT
- Electromyelograms
- Barium Enemas
- Catheter Insertions
- Lumbar Punctures



Stomatological Department

Dental Department
Others



Gastroenterology Department

Gastroscopy
Colonoscopy
Barium Enemas
Gastrostomy
Others



Obstetrics

Hysteroscopy
LEEP operation
Childbirth
Others



Burn Department

Remove scab
Change dressing



Cosmetology Department

Laser
Hair transplant
Botulinum injections
Others



Oncology Department
Emergency Department
Orthopaedics Department

Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminding and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.

Nitrous oxide is a very quick-acting inhaled sedation medicine that decreases discomfort and anxiety. Nitrous oxide sedation has been widely used in clinical practice for 160 years. It has been most widely used in the left common procedures.

S8800B

Nitrous Oxide Sedation System

Friendly Powerful Reliable

Application

The Nitrous Oxide Sedation System makes a good performance in gastrointestinal endoscope department, obstetrics department, dentistry department and other departments. When the patient is conscious, inhalation of proportionally mixed nitrous oxide and oxygen is universally recognized as the safest, most effective and receptive way of sedation. It is widely used anesthetics in both dental and medical applications. Perlong Medical Nitrous Oxide Sedation System offers you the choices you need in ventilation, monitoring and technique.

Trust Points

- Simplicity: easy to use, easy to move with 5 casters.
- Convenient: compact interface and big screen give you better operating experience.
- Option: adapt the equipment to your patients and procedures freely.
- Friendly: flexible configurations to meet your requirement.
- Quality: international standard and advanced technology make it suitable for wide range use.
- Trust: designed and manufactured by Perlong Medical with over 23 years experience in this field.
- Worldwide: over 3,000 units are installed in the world.

Features

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Integrated breathing circuit design, ensure easy operation and keep tidy.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Multiple ventilation modes, suitable for different clinical needs.
- Electronic control mixed gas blender, high precision adjustment.
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Cherish your life, Cherish your health!

Common Procedures Completed with Nitrous Oxide Sedation System

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- CT Scans
- Botulinum
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- ISAT
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Stomatological Department

Dental Department

Others



Gastroenterology Department

Gastroscopy

Gastrostomy

Colonoscopy

Others

Barium Enemas



Obstetrics

Hysteroscopy

Childbirth

LEEP operation

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Remove scab

Change dressing



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S8800C

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- Convenient: compact interface and big screen give you better operating experience.
- Option: adapt the equipment to your patients and procedures freely.
- Friendly: flexible configurations to meet your requirement.
- Quality: international standard and advanced technology make it suitable for wide range use.
- Trust: designed and manufactured by Perlong Medical with over 23 years experience in this field.
- Worldwide: over 2,000 units are installed in the world.

Features

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Integrated breathing circuit design, ensure easy operation and keep tidy.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Multiple ventilation modes, suitable for different clinical needs.
- Electronic control mixed gas blender, high precision adjustment.
- Built-in concentration monitoring system, real-time monitoring of airway pressure.

Common Procedures Completed with Nitrous Oxide Sedation System

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- IV Starts
- Gastrostomy
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Stomatological Department

Dental Department

Others



Gastroenterology Department

Gastroscopy

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